**Grade 7**

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| **Unit Title:** Force and Motion | **Unit Title:** Earth Systems, Structures and Processes | **Unit Title:** Living Organisms | **Unit Title:** Evolution and Genetics |
| **Essential Question(s):** How do the forces acting on objects affect the object’s motion?  How is energy transferred from one system to another creating motion?  **Enduring Understanding:** Motion is directly affected by the forces acting on the object. Energy can be stored up and transferred between objects.  **Core Standards**  RST.6-8.1 WHST.6-8.1  RST.6-8.2 WHST.6-8.2  RST.6-8.3 WHST.6-8.4  RST.6-8.4 WHST.6-8.5  RST.6-8.5 WHST.6-8.6  RST.6-8.6 WHST.6-8.7  RST.6-8.7 WHST.6-8.8  RST.6-8.8 WHST.6-8.9  RST.6-8.9 WHST.6-8.10  RST.6-8.10  **Priority Standards**  7.P.1.1  7.P.1.2  7.P.1.3  7.P.1.4  7.P.2.1  7.P.2.2  7.P.2.3  7.P.2.4  **Supporting Standards**  3.P.1.1  3.P.1.2  3.P.3.1  4.P.1.2  4.P.3.1  5.P.1.1  5.P.1.2  5.P.1.3  5.P.1.4 | **Essential Question:** How does the activity in the atmosphere affect the weather?  **Enduring Understanding:** The cycling of matter in and out of the atmosphere affects the Earth’s weather and climate.  **Core Standards**  RST.6-8.1 WHST.6-8.1  RST.6-8.2 WHST.6-8.2  RST.6-8.3 WHST.6-8.4  RST.6-8.4 WHST.6-8.5  RST.6-8.5 WHST.6-8.6  RST.6-8.6 WHST.6-8.7  RST.6-8.7 WHST.6-8.8  RST.6-8.8 WHST.6-8.9  RST.6-8.9 WHST.6-8.10  RST.6-8.10  **Priority Standards**  7.E.1.1  7.E.1.2  7.E.1.3  7.E.1.4  7.E.1.5  7.E.1.6  **Supporting Standards**  6.E.2.4  5.P.2.1  5.E.1.1  5.E.1.2  5.E.1.3 | **Essential Question:**  How do the parts of a living thing enable them to survive?  **Enduring Understanding:** Living things have structures that enable them to survive, reproduce and carry out the basic functions of life.  **Core Standards**  RST.6-8.1 WHST.6-8.1  RST.6-8.2 WHST.6-8.2  RST.6-8.3 WHST.6-8.4  RST.6-8.4 WHST.6-8.5  RST.6-8.5 WHST.6-8.6  RST.6-8.6 WHST.6-8.7  RST.6-8.7 WHST.6-8.8  RST.6-8.8 WHST.6-8.9  RST.6-8.9 WHST.6-8.10  RST.6-8.10  **Priority Standards**  7.L.1.1  7.L.1.2  7.L.1.3  7.L.1.4  **Supporting Standards**  6.L.1.1  6.L.1.2  3.L.1.1  3.L.1.2  5.L.1.2 | **Essential Question:** Why does sexual reproduction increase the survival rate of a species?  **Enduring Understanding:** Genetic variation affects the survival rate of an organism, however, behavior is affected by both genetic and environmental factors.  **Core Standards**  RST.6-8.1 WHST.6-8.1  RST.6-8.2 WHST.6-8.2  RST.6-8.3 WHST.6-8.4  RST.6-8.4 WHST.6-8.5  RST.6-8.5 WHST.6-8.6  RST.6-8.6 WHST.6-8.7  RST.6-8.7 WHST.6-8.8  RST.6-8.8 WHST.6-8.9  RST.6-8.9 WHST.6-8.10  RST.6-8.10  **Priority Standards**  7.L.2.1  7.L.2.2  7.L.2.3  **Supporting Standards**  5.L.3.1  5.L.3.2 |